METHOD AND APPARATUS FOR COOLING ELECTRICAL FUSES

Abstract of the Disclosure

An apparatus for cooling electrical protective devices comprises an electrical protective device mounted to at least one electrical terminal, wherein the electrical terminals are cooled to indirectly cool the electrical protective devices. A pressurized coolant source passes a coolant fluid through coolant passages attached to the electrical terminals, thereby cooling the electrical terminals. The cooled electrical terminals maintain the temperature of the electrical protection device within an appropriate operating temperature range. This cooling method may be used to increase the fuse power rating of a fuse array while maintaining electrical coordination between the fuses in the fuse array and electrical devices protected by the fuse array.